## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

# (19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 3 March 2005 (03.03.2005)

PCT

## (10) International Publication Number WO 2005/018647 A1

(51) International Patent Classification<sup>7</sup>: A61K 31/56

(21) International Application Number:

PCT/US2004/026957

(22) International Filing Date: 19 August 2004 (19.08.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/496,641

20 August 2003 (20.08.2003)

(71) Applicant and

(72) Inventor: KRUT, Louis, H. [US/US]; 14 Dogwood Lane, St. Louis, Missouri 63124 (US).

(74) Agent: LEWIS, Linda, L.; Greensfelder, Hemker & Gale, PC, 2000 Equitable Building, 10 S. Broadway, St. Louis, MO 63102 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

### Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PREVENTING THE CRYSTALLIZATION OF CHOLESTEROL USING OXYSTEROLS

(57) Abstract: A therapeutic agent in the treatment of humans or animals wherein the agent is oxysterol, and a method of treatment wherein the agent is administered orally, parenterally, transdermally, buccally, sublingually or otherwise to deliver a sufficient amount of oxysterol to the human or animal to prevent or delay plaque formation in atherosclerosis by preventing or delaying the crystallization of cholesterol.

